

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : RICOH CO LTD

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(54) PRODUCTION OF COLORING AGENT

(57)Abstract:

PURPOSE: To obtain a colorant containing uniformly dispersed pigment and having excellent fixability to paper, etc., and suitable as a liquid developer for electrophotography, by adding a pigment and an ethylene-vinyl acetate copolymer to the flashing system for the production of the colorant.

CONSTITUTION: An aqueous dispersion of a pigment (e.g. carbon black) is mixed with preferably humic acid, humic acid salt or humic acid derivative (0.1W30wt% based on the dispersion) and then with a resin solution composed of an ethylene-vinyl acetate copolymer (preferably 0.1W2.0pts.wt. per 1pt.wt. of the pigment). After substituting the water surrounding the pigment particle with the resin solution, the water and the solvent is removed to obtain the objective colorant.

EFFECT: The colorant has improved dispersibility and can be blended easily with other resin.

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